

Message

From: Nickel, Brian [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=9483559E89D34E6D96093E7F5F811F72-NICKEL, BRIAN]
Sent: 10/5/2018 9:30:41 PM
To: Zell, Christopher [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=a7206bbb71ff41c999629b86cc25c7e4-Zell, Chris]
Subject: RE: Conversation with Zell, Christopher
Attachments: Zell_Deschutes_River_Flow_Results.xlsx

Chris:

See attached for results.

Brian Nickel, E.I.T.

Environmental Engineer

US EPA Region 10 | Office of Water and Watersheds | NPDES Permits Unit

Voice: 206-553-6251 | Toll Free: 800-424-4372 ext. 6251 | Fax: 206-553-1280

[Read my blog](#)

Nickel.Brian@epa.gov

<https://www.epa.gov/npdes-permits/about-region-10s-npdes-permit-program>

Please conserve natural resources by not printing this message.

From: Zell, Christopher [mailto:zell.christopher@epa.gov]
Sent: Thursday, October 04, 2018 3:57 PM
To: Zell, Christopher <zell.christopher@epa.gov>; Nickel, Brian <Nickel.Brian@epa.gov>
Subject: Conversation with Zell, Christopher

Zell, Christopher 3:48 PM:

Hi Brian

Nickel, Brian 3:50 PM:

Hello, what can I do for you?

Zell, Christopher 3:50 PM:

Sorry to bother you, but I understand you are the great keeper of the SW toolbox aka, low flow calculator

Nickel, Brian 3:51 PM:

Well, not exactly the keeper but I know a thing or two about it.

Zell, Christopher 3:51 PM:

and I am wondering if someone has calculated the 30Q10 on a particular river

Zell, Christopher 3:52 PM:

I could go through IT to have it installed but was wondering if maybe it had been done already?

Nickel, Brian 3:52 PM:

Which river?

Zell, Christopher 3:52 PM:

30Q10 at **USGS 12080010**

Zell, Christopher 3:52 PM:

Deschutes River at Tumwater

Nickel, Brian 3:54 PM:

I doubt anyone in NPU has calculated flows for that river. Ecology might have, though.

Zell, Christopher 3:54 PM:

Ok thank you for being so responsive (as always)(y)

Nickel, Brian 3:54 PM:

I can do it easily enough. Do you want to use the whole period of record, or just, say, the last 30 years or so?

Zell, Christopher 3:55 PM:

that would be great if not too much hassle

Zell, Christopher 3:55 PM:

the POR of 1991 - 2016

Nickel, Brian 3:56 PM:

OK. I'll do that by COB tomorrow.

Zell, Christopher 3:56 PM:

sweet! You rock